

AD-A184 214

DEPARTMENT OF THE ARMY JUSTIFICATION OF ESTIMATES FOR
FISCAL YEARS 1988/1. (U) DEPUTY CHIEF OF STAFF FOR
RESEARCH DEVELOPMENT AND ACQUISITION JAN 87

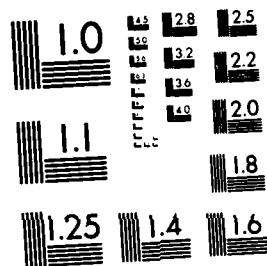
1/1

UNCLASSIFIED

F/G 15/5

ML

END
SERIAL NUMBER
1-87



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

THE END OF THE LINE

THE BUDGET FOR FISCAL 1969

SIXTY-THREE COUNTRIES

January 1887



DOCUMENT OF THE
COUNCIL OF THE
EUROPEAN UNION

卷之三

卷之三

AD-A184 214

Reproduction of this document in
whole or in part is prohibited
except with permission of the
issuing office.

Accession For	<i>A</i>
NTIS	CRAZI
DTIC	TAB
Unannounced	
Justification:	
By	
Dist: D	
Dist: R	
Dist: A	
Dist: F	
Dist: S	
Dist: G	
Dist: C	
Dist: P	
Dist: E	
Dist: L	
Dist: M	
Dist: H	
Dist: J	
Dist: K	
Dist: N	
Dist: O	
Dist: Q	
Dist: T	
Dist: U	
Dist: V	
Dist: W	
Dist: X	
Dist: Y	
Dist: Z	



DEPARTMENT OF THE ARMY
Office of the Deputy Chief of Staff
for
Research, Development and Acquisition

JUSTIFICATION OF ESTIMATES
DISTRIBUTION

	<u>Copies</u>		<u>Copies</u>		<u>Copies</u>
ASD(C) (3A 862)		ASD(MR) (2E 580)	1	DAMO-FDR (2D 570)	9
Cost & Audit (4B 916)	2	SALL (2C 638)	39	APA	10
Plans/Systems (3A 862)	1	DACA-BUL (3A 652)	5	MIPA	10
Construction (3B 866)	1	DACA-BUF (3B 663)	10	PWTcv	11
Procurement (3D 883)	2	DACS-DPA (3C 747)	2	PAA	13
	1	DACS-DPM (3C 725)	1	OPA	9
	1	DACS-BMZ-A (AMC Bldg)	1	MILCON	
ASD(ISA) (4B 856)	2	DACS-FM (1A 871)	1	DALO-ZXA (3D 576)	1
DACS-DPD (3C 738)	1	DAMI-CIS (2D 481)	1	DALO-RMI (1D 560)	3
OSD(P&E) (2E 313)	1	DAMI-PBB (2E 477)	1	DALO-SMD (1D 567)	1
ASD(HA) (3E 183)	1	DAIM-PAR (1D 679)	1	DALO-RMP (1E 565)	1
ASD(LA) (3D 918)	1	DAIM-OPC (2B 486)	1	DAEN-ZCP (1E 685)	1
ASD(RA) (3C 980)		DASG-HCL (2E 525)	1	DAAR-COB (1E 433)	1
ASD(C3I) (3D 238)	6	OPA	2	NGB-ARC-B (2D 400)	2
		OPA-2	6		
		OPA-3	10		
JCS (J-5) (X76187)	1	DASG-OPC (2B 486)	1	Air Force (4D 131)	1
(SPRAA-PBAD)	1			Navy (4C 610)	1
OIG, DoD (1E 482)	2			DAMA-WS (3E 448)	1
ASA(IL) (3E 613)	1			APA	1
ASA(FM) (3E 572)	1			MIPA	1
ASA(RDA) (2E 673)	1			PWTcv	
				ACSC-RDD (3C 363)	1

JUSTIFICATION OF ESTIMATES
DISTRIBUTION

	<u>Copies</u>		<u>Copies</u>	
DAMA-WSA (3B 454) APA	6	Center of Military History ATTN: DAMH-ZBB Room 4227, Pulaski Bldg 20 Massachusetts Avenue Washington, DC 20314	1	The Office of Management & Budget New Executive Office Bldg. Room 10001 17th & Pennsylvania Ave, NW Washington, DC 20503
DAMA-WSM (3B 455) MIPA	6	Commander US Army Materiel Command ATTN: AMCSM-JRM 5001 Eisenhower Avenue Alexandria, VA 22333	2	The Government Accounting Ofc Room 5132 441 G Street, NW Washington, DC 20548
DAMA-WSW (3B 468) PWTCV	7	Commander US Army Training & Doctrine Command ATTN: ATCD-EP Fort Monroe, VA 23651	1	DODIG, for Audit ATTN: ASP 1300 Wilson Blvd Arlington, VA 22209
DAMA-CS (3E 432) PAA OPA	1	Arms Control & Disarmament Agency ATTN: NMIC-DPA, Room 5741 320 21st Street, NW Washington, DC 20451	2	HQDA (DASG-RMB) 5111 Leesburg Pike Falls Church, VA 22041-3258
DAMA-CSS (3D 400) OPA	4	Arms Control & Disarmament Agency ATTN: ATCD-EP Fort Monroe, VA 23651	1	HQDA (DASG-RMB) 5111 Leesburg Pike Falls Church, VA 22041-3258
DAMA-CSC (3D 433) OPA	3		1	HQDA (DAAA-PRP) 3101 Park Center Drive Room 1301 Alexandria, VA 22302-1596
DAMA-CSM (3D 474) PAA	10		1	
DAMA-CSZ (3D 474) (MC Li.sion)	1		1	
DAMA-PPC (3E 443)	5		1	
DAMA-RA (3E 360)	1		1	

NOTE: Provide any changes, additions, deletions to the above list to: HQDA (DAMA-PPP-B),
Washington, DC 20310-0665, or Commercial: (202)695-8681, AUTOVON: 225-8681.

DEPARTMENT OF THE ARMY
PROCUREMENT OF WEAPONS AND TRACTED COMBAT VEHICLES, ARMY
JUSTIFICATION OF ESTIMATES FOR FISCAL YEARS 1988, 1989

TABLE OF CONTENTS

	<u>Page No.</u>
Section 1 - Budget Appendix Extract.....	3-1
Section 2 - Budget Activity Justification and.....	3-15
Section 3 - Comparison of Program Requirements and Financing.....	3-33

3-1 JANUARY 1987

PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

Section 1

Budget Appendix Extract

Language

Program And Financing Schedule

Object Classification Schedule

APPROPRIATION LANGUAGE

For construction, procurement, production, and modification of weapons and tracked combat vehicles, equipment, including ordnance, spare parts, and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including the land necessary therefor, for the foregoing purposes, and such lands and interest therein may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes: \$3,152,537,000 of which \$88,100,000

shall be available for the Army National Guard and Army Reserve, to remain available for obligation until September 30, [1986: Provided, That none of these funds may be used for the noncompetitive procurement of the M249 Squad Automatic Weapon] 1990.

Further, for the foregoing purposes \$3,227,762,000, of which \$155,300,000 shall be available only for the Army National Guard and Army Reserve to become available for obligation on October 1, 1988 and to remain available for obligation until September 30, 1991. (10 USC 2353, 2361, 3013, 4531-32; Department of Defense Appropriations Act, 1987 as included in Public Laws 99-500 and 99-591, section 101(c); additional authorizing legislation to be proposed).

PROCURMENT OF MILITARY AIRCRAFT (IN THOUSANDS OF DOLLARS) SUMMARY
Object Classification: (In thousands of dollars) SUMMARY

05 Jan 87

	1986 actual	1987 est.	1988 est.	1989 est.
Direct obligations				
Other services				
175 004 Other services	1,012,937	749,390	748,593	742,454
116 001 Supplies and materials	644,596	502,338	465,164	416,164
131 001 Equipment	2,946,128	2,089,113	2,119,543	2,081,260
Total Direct obligations	4,604,261	3,588,138	3,311,786	3,266,491
Reimburseable obligations				
Other services				
175 004 Other services	79,554	68,662	71,060	71,060
226 001 Supplies and materials	46,807	43,694	45,220	45,220
231 001 Equipment	213,975	337,795	213,620	206,240
Total Reimburseable obligations	334,336	450,151	339,980	321,000
Total obligations	4,938,597	4,038,789	3,641,686	3,589,491
999 901 Total obligations				

Program and Financing (in thousands of dollars) FISCAL YEAR 1984		05 Jan 87	
		Obligations	
		Budget Plan (amounts for duties not performed)	Procurement
		1986 est	1989 est
		1986 actual	1988 est.
		1987 est.	1989 est.
		1988 est.	1989 est.
		1986 actual	1987 est.
		1987 est.	1989 est.
Identification Code 21 2043 0-1-051			
Program by activities:			
00 0101	Direct on order		
00 0201	Tracked combat vehicles		
00 0201	Weapons and other combat vehicles		
00 9101	Total direct program		
01 0101	Reimburseable program		
10 0001	Total		
Financing			
11 0001	Offsetting collections from:		
11 0001	Federal funds		
11 0001	Trust funds		
14 0001	Non Federal Govt (est.)		
17 0001	Recovery of prior year obligations		
	Unobligated balance available		
	at start of year		
21 4102	For completion of prior year budget plans	416,500	
21 4003	Available to finance new budget plans	1,11,015	
21 4007	Reprogramming from/to prior year budget plans	489,387	
22 4003	Unobligated balance transferred to other accounts	34,400	
23 4003	Unobligated balance released from budget	39,591	
23 4002	Reduction in balance to reflect 1989-1990 budget	24,357	
25 0001	Unobligated balance remaining		
39 0001	Budget authority		

Program and Financing (in thousands of dollars) FISCAL YEAR 1985		US Jan B/	
		Budget Plan amounts for INVESTMENT	
		OB obligations	
Investigation Code	21 1043-0-1-061	1985 total	1987 est
Program by activities:		1988 est	1989 est
Direct program:			
Tracked combat vehicles		729,065	705,849
Medium and other combat vehicles		14,286	22,397
Total direct program		744,151	728,446
Reimbursable program		17,750	43,392
Total		761,901	772,446
Financing			
Offsetting collections from:			
Federal funds ()		-16,331	
Trust funds ()		-1,744	
Non-Federal sources ()		1,915	
Recovery of prior year obligations		65,019	
Unutilized balance available start of year			
For compilation of prior year budget plans		1,109,659	-372,414
Available to finance new budget plans		261,600	-26,100
For compilation of prior year budget plans		249,164	
Available to finance new budget plans		25,100	
Unutilized balance available start of year		63,855	
Request for payment to P.L. 99-177 in amount of:			
Unutilized balance available start of year		372,416	
For compilation of prior year budget plans		25,100	
Available to finance subsequent year budget plans			
Budget authority			
19 0001			

05 Jan 87

**Procurement of M113C1 Army
Program and Financing (in thousands of dollars) FISCAL YEAR 1988**

Identification Code	21-2033-0-1-051	Budget Plan (amounts for PROCUREMENT actions programmed)						Obligations		
		1986b actual	1987 est.	1988 est.	1989 est.	1986 actual	1987 est.	1988 est.	1989 est.	1989 est.
Program by activities										
Direct program		4,861,943				3,132,644	370,657	358,662		
Tracked combat vehicles		3,175,452				132,541	27,398	14,913		
Medium and other combat vehicles		4,037,395				3,265,165	398,465	373,555		
Total direct program		3,552,345				3,114,976	40,159			
Reimbursable program						3,580,161	438,814	373,555		
Total		4,392,340								
Financing										
Offsetting collections from:										
1. 000 Federal funds		2,731,148				-70,042				
1. 1000 Trust funds		10,147				-5,945				
1. 2000 Non-federal sources		52,345								
1. 3000 Unobligated funds available for subsequent year budget plans						155,650				
1. 4000 Funds from other sources (including transfers to other accounts)						167,450				
1. 5000 Unobligated funds available for subsequent year budget plans						186,200				
1. 6000 Unobligated funds transferred to other accounts										
1. 7000 Unobligated funds available for subsequent year budget plans										
1. 8000 Unobligated funds available for prior year budget plans										
1. 9000 Available to finance subsequent year budget plans										
2. 000 Budget authority		4,393,045								
2. 1000 Budget authority:										
2. 11001 Appropriation		4,452,445								
2. 11001 Transfer and to other accounts ()		62,200								
2. 11001 Appropriation (adjusted)		4,393,045								
2. 2000 Appropriation		4,393,045								

		US Jan 87				US Jan 88			
		Program and Financing (in thousands of dollars) FISCAL YEAR 1988				Budget Plan (amounts for procurement purchases)			
		1986 actual		1987 est		1988 est		1989 est	
Identification code	21-2033-0-1-051								
Program by activities:									
Direct program:									
Tracked combat vehicles									
00.0101	Weapons and other combat vehicles	2,970,831		2,181,706		2,081,115		4,176,649	
00.0201								14,163,216	
Total direct program		3,152,537				2,403,814		35,026	
00.9101		3,729,900				3,29,900		49,717	
01.0101	Reimbursable program					2,733,714			
10.0001	Total	3,482,437							
Financing:									
Offsetting collections from:									
11.0001	Federal funds(-)	-200,500							
13.0001	Trust funds(-)	-69,400							
Unobligated balance available start of year:									
21.4002	For budget authority for year								
21.4002	For budget authority available								
24.4002	For budget authority available and of year:								
24.4002	For compilation or prior year budget plans								
40.0001	Budget authority (appropriation)	5,152,547							

05 Jan 87

Procurement of W&CV Army
Program and Financing (in thousands of dollars) FISCAL YEAR 1987

Identification Code	21-2033-5-1-051	Budget (Amounts for PROCUREMENT Actions performed)				Obligations			
		1986 est	1986 act	1989 est	1989 act	1987 est	1987 act	1988 est	1988 act
Program by activities:									
10,000	10,000	15,000	15,000	15,000	15,000	15,000	15,000		
Total	10,000	15,000	15,000	15,000	15,000	15,000	15,000		

Financing
40,000 Budget authority (Appropriation rescission p

Program and Financing (in thousands of dollars)		SUMMARY	
Procurement of Military Aircraft (Recalculation Proposed)		Budget Plan (Amounts for Procurement Actions Approved)	
		1986 actual	1986 est
Flight Operations costs	21-2033-5-1-051	15,000	15,000
Program by activities:			
10,0001 Total		15,000	15,000
40,0001 Budget authority (Appropriation available)			
40,0001 Budget authority (Appropriation available)			
Relation of obligations to outlays:			
11,0001 Net obligations, net			
17,2001 Net obligations, net			
Start of year balance			
17,4001 Net obligations, net			
End of year balance			
Outlays			
90,0001 Outlays			

3-12 JANUARY 1987

Procurement of WTCV-Army
 (Resumption Provisions)
 Object Classification (in thousands of dollars) **Summary**

US Jan 87

	1986 actual	1987 est.	1988 est.	1989 est.
Identification code 21 2033-5-1-05				
Direct obligations				
Other services				
125,000 Contracts				
198,000 Total Direct obligations				
999 901 Total obligations				

PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

Section 2

Budget Activity Justification

Activity 1 - Tracked Combat Vehicles

Activity 2 - Weapons and Other Combat Vehicles

Department of the Army Annual Budget Estimates		Appropriation PROCUREMENT OF WEAPONS & TRACKED COMBAT VEHICLES, ARMY		FY 1988/89
JUSTIFICATION		(Thousands of Dollars)		Budget
Program or Budget Project Account	Actual Estimate	FY 1987	FY 1988	Budget
Activity 1 - Tracked Combat Vehicles	FY 1986	FY 1987	FY 1988	FY 1989
Direct Obligation or Direct Budget Plan	\$3,861,943	\$3,508,217	\$2,910,831	\$3,022,729

Section 1 - PURPOSE AND SCOPE

Provide for procurement of tracked combat vehicles including M1A1 tanks; Bradley Fighting Vehicle System; training equipment; and associated equipment. The request also provides for modification kits (M109 HIP), major assembly repair parts (including initial provisioning), and related production base support.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

Tracked Combat Vehicles - The requested funding provides for procurement of the following tracked combat vehicles to improve readiness and meet modernization goals: M1A1 Abrams Tank, Bradley Fighting Vehicle System, and Field Artillery Ammunition Support Vehicle. To further improve Army materiel readiness of high priority combat vehicles, funds are requested for the following modification programs: Upgrade of the current fleet of M113 family of carriers, enhancement of M109 Self-Propelled Howitzers; upgrade M60A1 Tanks to M60A3 (TTS) configuration with survivability enhancements. Each major item included in this request is discussed below:

Bradley Fighting Vehicles (MFP) (P-1 Line Item No. 3):	(# In Thousands)	FY 1988	FY 1989
		\$699,400	\$671,200

These funds are requested for procurement of 616 Bradley Fighting Vehicles in FY88 and 618 vehicles in FY89. The Bradley is indispensable to the Mechanized Infantry and is designed to be compatible with the M1 Main Battle Tank and provide improved firepower, cross-country mobility, and ballistic protection to Infantry squads and cavalry sections. The armament is designed to engage an array of enemy targets and will include a two-man turret employing a 25mm automatic cannon, the TOW 2 antitank guided missile system, as well as a 7.62mm coaxial machine gun, all utilizing an integrated day/night thermal sight. Using the organic 5.56mm firing port weapon, the mounted infantry in the Infantry Fighting Vehicle will be able to deliver suppressive fires around the vehicle. Interior configuration varies in the Cavalry Fighting Vehicle to allow for differences in crew size and storage requirements and will be improved for better visibility. All vehicles procured will be A1 versions which incorporate the more lethal TOW II system and other design changes.

Advance Procurement-Bradley Fighting Vehicles (MTP) (P-1 Line Item No. 4): (\$ in Thousands)

<u>FY 1988</u>	<u>FY 1989</u>
<u>\$37,100</u>	<u>\$42,800</u>

These funds are requested for procurement of long-lead manufacturing items and components to support the production of 618 and 624 Infantry and Cavalry Fighting Vehicles in FY89 and in FY90.

Bradley PVS Training Devices (Mod) (P-1 Line Item No. 6): (\$ in Thousands)

<u>FY 1988</u>	<u>FY 1989</u>
<u>\$5,900</u>	<u>\$3,800</u>

Funds support modification of training devices to maintain continuity with vehicle modifications, e.g., update of COFST to reflect AI modifications.

Field Artillery Ammunition Support Vehicle (FAASV) (P-1 Line Item No. 7): (\$ in Thousands)

<u>FY 1988</u>	<u>FY 1989</u>
<u>\$28,700</u>	<u>-0-</u>

These funds are requested to continue procurement of the Field Artillery Ammunition Support Vehicle (FAASV) for deployment in M109 155MM Self-Propelled Howitzer Battalions in Europe and Korea and POMCUS. The FY88 funds will procure 65 FAASV's.

Recovery Vehicle, Medium, PT, M88A2 (MTP) (P-1 Line Item No. 8): (\$ in Thousands)

<u>FY 1988</u>	<u>FY 1989</u>
<u>-0-</u>	<u>\$63,800</u>

These funds are requested for initial procurement of 90 M88A2 production vehicles in FY89 to provide a battlefield recovery and evacuation capability to M1A1 tank units.

Advance Procurement - Recovery Vehicle, Medium, PT, M88A2 (MTP) (P-1 Line Item No. 9): (\$ in Thousands)

<u>FY 1988</u>	<u>FY 1989</u>
<u>\$24,100</u>	<u>\$22,300</u>

These funds are requested for procurement of M88A2 long lead components in FY88 and FY89.

M1 Abrams Tank (MTP) (P-1 Line Item No. 10)

(\$ In Thousands)		
FY 1988	FY 1989	FY 1990
\$1,351,700	\$1,215,200	

These funds are requested to procure 600 M1A1 tanks in FY88 and 534 M1A1 tanks in FY89. The M1A1 Tank will replace the M60 and M1 tanks in selected units and allow for continued modernization of the Army tank fleet. It has significantly improved survivability over current tanks providing better armor protection and compartmentalization of ammunition and fuel. Its 1500-hp turbine engine and improved suspension system provide unprecedented mobility and stability as a weapons platform. The M1A1 counters the enemy threat now and has growth potential to be effective well into the 1990's. Beginning in FY85, all Abrams tanks produced were M1A1s with the 120mm cannon.

Advance Procurement, Tank, Combat, M1 Abrams (MTP) (P-1 Line Item No. 11):

(\$ In Thousands)		
FY 1988	FY 1989	FY 1990
\$156,000	\$146,100	

These funds are requested for procurement of long-lead manufacturing items, components, and government-furnished equipment to support the production of M1A1 tanks in FY89 and beyond.

M60 Series Tank Training Devices (P-1 Line Item No. 12):

(\$ In Thousands)		
FY 1988	FY 1989	FY 1990
-0-		

These funds are requested for procurement of Mobile Conduct of Fire Trainers (MCOTF) to sustain tank gunnery skills in reserve component units. These devices employ an M60A3 gunner and commander station mock-up and computer simulations to produce a wide variety of highly realistic battle scenarios. Although not a total substitute for actual firing, the Conduct of Fire Trainers will significantly assist in acquiring and sustaining gunner and commander basic gunnery skills with reductions in time, range usage, ammunition, and attendant cost.

M1 Series Tank Training Devices (P-1 Line Item No. 13):

(\$ In Thousands)		
FY 1988	FY 1989	FY 1990
\$4,700	\$10,500	

These funds are requested for procurement of Maintenance Trainers and M1 M-COTFs. Maintenance Trainers provide initial fault isolation and repair procedures training for M1 tank mechanics in reserve component Direct Support/General Support maintenance units. Those trainers will be utilized at regional training sites for the reserve component. M-COTFs provide reserve component forces equipped with the M1 Tanks an inexpensive means to sustain gunnery skills using training simulators similar in description to the M60A3 COFT.

Carrier, Modification (MOD): (P-1 Line Item No. 11):

(\$ In Thousands)	
FY 1988	FY 1989
<u>\$42,600</u>	<u>\$52,500</u>

These funds are requested for design engineering, testing, and procurement of kit hardware necessary to upgrade the M113A1/A2 carrier fleet. Funds requested in FY88 and FY89 will continue to buy the Block I Mod survivability upgrade kits (spall suppression liners, RISE power train, armored external fuel tanks and armor attachment point) and cooling and suspension kits. Funds will also continue the Block II survivability enhancement modification (applique armor).

Bradley Fighting Vehicle System (MOD) (P-1 Line Item No. 16):

(\$ In Thousands)	
FY 1988	FY 1989
<u>\$52,100</u>	<u>\$62,900</u>

These funds are requested to continue retrofit of AFVVS Preplanned Product Improvements (P3I) which were introduced in FY85.

Howitzer, Medium, SP, 155mm, M109 Series (MOD) (P-1 Line Item No. 17):

(\$ In Thousands)	
FY 1988	FY 1989
<u>\$28,200</u>	<u>\$38,700</u>

FY88 and FY89 funds are requested for procurement of Howitzer Improvement Program (HIP) kits. These modifications are designed to improve the readiness and survivability of M109 series howitzers.

Tank, Combat, FT, 105mm Gun, M60 Series (MOD) (P-1 Line Item No. 19):

(\$ In Thousands)	
FY 1988	FY 1989
<u>\$23,300</u>	<u>\$35,600</u>

These funds are requested to procure modification kits to improve the survivability of the M60A3 tank fleet. Modifications that will be applied include laser protection, applique armor, tank thermal sight optical performance enhancement, and automatic fire extinguishers.

Tank, M1 Series (MOD) (P-1 Line Item No. 20)

(\$ In Thousands)	
FY 1988	FY 1989
<u>\$37,500</u>	<u>\$46,400</u>

These funds are requested for mine roller adapter kits, laser protection for crew, optical performance enhancement, auxiliary power unit retrofit, and maintainability enhancement.

2MN (P-1 Line Item No. 21):

	(\$ In Thousands)	
	<u>FY 1988</u>	<u>FY 1989</u>
	<u>\$700</u>	<u>\$600</u>

These funds are requested to procure equipment for a classified project.

Host Nation Support (P-1 Line Item No. 24):

	(\$ In Thousands)	
	<u>FY 1988</u>	<u>FY 1989</u>
	<u>\$29,700</u>	<u>\$5,000</u>

These funds are requested to procure German manufactured crew served weapons to equip German Reserve Forces which will provide dedicated combat support/service support to US Forces under the terms and conditions of the 1982 US-German Wartime Host Nation Support Agreement.

Spares and Repair Parts (TCV) (P-1 Line Item No. 25):

	(\$ In Thousands)	
	<u>FY 1988</u>	<u>FY 1989</u>
	<u>\$398,400</u>	<u>\$500,600</u>

These funds are requested for procurement of initial and replenishment spares and repair parts related to tracked combat vehicles. Initial spares are requested to support the following systems:

System		<u>FY 1988</u>	<u>FY 1989</u>
M1 Abram Tank		\$74,300	\$95,100
Bradley Fighting Vehicles		27,000	30,400
Howitzer, Med, M109, (MOD)		600	1,600
			\$127,100
		\$101,900	

Replenishment spares and repair parts are requested for FY 1988 in the amount of \$296,500 and for FY 1989 in the amount of \$373,500.

Items Less Than \$2,000,000 (TCV-MTCV)
(P-1 Line Item No. 26):

	(\$ In Thousands)	
	<u>FY 1988</u>	<u>FY 1989</u>
	<u>\$1,900</u>	<u>\$1,700</u>

These funds are requested for procurement of maintenance and repair equipment for tracked combat vehicles. Equipment to be procured includes shop sets and tool kits.

Production Base Support (TCV-MTCV) (P-1 Line Item No. 27):

(~~\$~~ In Thousands)

	<u>FY 1988</u>	<u>FY 1989</u>
	<u>\$28,731</u>	<u>\$36,829</u>

These funds are requested to rehabilitate/replace Industrial Plant Equipment at M1A1 Tank production facilities; to modernize the Mainz Army Depot facilities; to layaway/dispose of industrial equipment excess to current production requirements; to provide replacement depot maintenance plant equipment at Mainz Army Depot; and to provide initial depot maintenance plant equipment to support the M1A1 Tank, Bradley Fighting Vehicle System, M60A3 Tank and M88A1 Recovery Vehicle.

<u>PROJECT #</u>	<u>TITLE</u>		<u>FY 1988</u>	<u>FY 1989</u>
<u>PROVISION OF INDUSTRIAL FACILITIES (PIF)</u>				
G8x2006	Expansion of Mainz Army Depot		1,800	6,100
48x3002	Omnibus Concept/Final Design of Construction Projects		500	500
48x6037	Production Support at Lima Army Tank Plant		5,300	8,200
48x6040	Omnibus Production Support and Equipment Rehabilitation/Replacement at M1 Tank Production Facilities		2,950	2,800
78x8174	Production Support at Stratford Army Engine Plant		3,500	6,300
78x8175	Design of Construction Projects at Stratford Army Engine Plant		350	0
	TOTAL PROVISION OF INDUSTRIAL FACILITIES (TCV)		14,400	23,900
<u>LAYAWAY OF INDUSTRIAL FACILITIES (LIF)</u>				
48x4281	Omnibus Packaging, Handling and Transportation of Excess Equipment	131	529	
<u>DEPOT MAINTENANCE PLANT EQUIPMENT (DMPE)</u>				
G8x0020	Equipment Replacement at Mainz Army Depot	3,700	400	
G8x0053	Omnibus Support of Miscellaneous Tracked Combat Vehicles	300	1,300	
G8x0153	Omnibus Support of M1 Tank	2,500	2,800	
G8x0253	Omnibus Support of Bradley Fighting Vehicle	7,700	7,900	
	TOTAL DEPOT MAINTENANCE PLANT EQUIPMENT (TCV)	14,200	12,400	
	TOTAL PRODUCTION BASE SUPPORT (TRACKED COMBAT VEHICLES)	28,731	36,829	

3-20 JANUARY 1987

Regional Maintenance Training Sites (P-1 Line Item No. 28):

($\$$ In Thousands)

<u>FY 1988</u>	<u>FY 1989</u>
$\$17,100$	$\$16,200$

These funds will procure system components (e.g., M1 engines, M2 transmissions, M60A3 engines) to support training at Regional Maintenance Training Sites (RMTS). System component requirements are as specified in Programs-of-Instruction. These funds will outfit the first fourteen of nineteen RMTS.

Department of the Army	Appropriation	FY 1988/89
Annual Budget Estimate		
JUSTIFICATION		
Program or Budget Project Account	PROCUREMENT OF WEAPONS & TRACKED COMBAT VEHICLES, ARMY	Budget
Activity 2 - Weapons and Other Combat Vehicles	(Thousands of Dollars)	
	Actual	Estimate
	FY 1986	FY 1988
Direct Obligation or Direct Budget Plan	\$175,452	\$221,653
	\$181,706	\$205,033

Section 1 - PURPOSE AND SCOPE

Provides for procurement of weapons and other combat vehicles including mortars, machine guns, and associated equipment. The request also provides for modification kits, procurement of depot repairable major assembly repair parts (including initial provisioning), related production base support, and depot maintenance plant equipment.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

Weapons and Other Combat Vehicles - The requested funding level provides for continued procurement of the Vehicle Rapid Fire Weapon System (VRFWS) weapons, VRFWS advance procurement, and Smoke Grenade Launcher. Funding is also requested for the procurement of the 9mm Personal Defense Weapon, Squad Automatic Weapon (SAW) and 120mm mortar. Each of the items included in this request is discussed below:

Howitzer, Lt Towed, 105mm M119 (P-1 Line Item No. 29):

(\$ In Thousands)	FY 1988	FY 1989
	\$29,900	\$28,800

These funds are requested for procurement of 113 howitzers in FY88 and 103 in FY89. This light howitzer provides increased range and lethality for the light divisions over that of the old 105mm models.

Howitzer, Med, Towed, 155mm, M198 (P-1 Line Item No. 30):

(\$ In Thousands)		
FY 1988	FY 1989	FY 1989
-0-		\$19,900

These funds are requested to procure 42 howitzers in FY89 for the upgrading of National Guard Infantry Division indirect fire support. The M198 howitzer fires all existing 155mm munitions as well as the Rocket Assisted Projectile and Copperhead.

Squad Automatic Weapon (SAW) 5.56mm (P-1 Line Item No. 31):

(\$ In Thousands)		
FY 1988	FY 1989	FY 1989
\$12,100		\$12,500

These funds are requested for the procurement of 5400 Squad Automatic Weapons in FY88 and 5670 in FY89. This lightweight machine gun delivers a high rate of sustained fire and has increased range which will greatly enhance the effectiveness of the infantry rifle squad.

Grenade Launcher, 40mm, MK 19-3 (P-1 Line Item No. 35):

(\$ In Thousands)		
FY 1988	FY 1989	FY 1989
\$13,800		\$12,000

These funds are requested for the procurement of 1408 MK-19-3 grenade launchers in FY88 and 1326 in FY89. This grenade launcher provides high explosive anti-personnel and anti-light armor grenades to 2200 meters which greatly enhances the firepower of the infantry platoon and combat service support units.

Launcher, Smoke Grenade (P-1 Line Item No. 36):

(\$ In Thousands)		
FY 1988	FY 1989	FY 1989
\$1,900		\$1,600

These funds are requested to continue procurement of protective smoke systems for combat vehicles. The launcher provides near instantaneous smoke protection and is a defensive aid against antitank missiles. The budget procures 3628 in FY88 and 2949 in FY89.

Mortar 120mm (P-1 Line Item No. 38):

(\$ In Thousands)		
FY 1988	FY 1989	FY 1989
\$20,900		\$23,800

These funds are requested to procure 332 120mm mortars in FY88 and 350 in FY89. The 120mm mortar will provide the Army increased firepower and combat effectiveness over the existing 4.2 inch mortars.

Rifle, 5.56mm, M16A2 (P-1 Line Item No. 39):

(\$ In Thousands)	
FY 1988	FY 1989
<u>\$26,100</u>	<u>\$26,100</u>

These funds are requested for procurement of 60,000 rifles a year in FY88 and FY89. The M16A2, an improved version will be placed in the hands of the front line combat soldiers. The M16A2 incorporates improvements in sights, pistol grip, stock and overall combat effectiveness. The US Marine Corps is also procuring the M16A2 rifle.

Sniper Weapon System (P-1 Line Item No. 40):

(\$ In Thousands)	
FY 1988	FY 1989
<u>\$1,900</u>	<u>\$1,900</u>

These funds are requested for procurement of 500 Sniper Weapon Systems a year in FY88 and FY89. The Sniper Weapon System provides long range, precision firepower for Special Operations Forces and Infantry battalions.

Personal Defense Weapon (PDW) (P-1 Line Item No. 41):

(\$ In Thousands)	
FY 1988	FY 1989
<u>\$5,300</u>	<u>\$7,000</u>

These funds are requested for procurement of 23,418 9mm handguns in FY88 and 33,078 9mm handguns in FY89. FY85 was the first year of a ten year Army procurement of new 9mm handguns to standardize the inventory and replace the M1911A1 caliber .45 handguns and caliber .38 revolvers. The 9mm handgun also enhances NATO Rationalization, Standardization and Interoperability (RSI) efforts to standardize all of NATO.

Vehicle Rapid Fire Weapons System (Bushmaster) (MTP) (P-1 Line Item No. 42):

(\$ In Thousands)	
FY 1988	FY 1989
<u>\$25,800</u>	<u>\$32,500</u>

These funds are requested for the procurement of 947 and 948 25mm VRFWS weapons in FY88 and FY89 respectively. This weapon system, also known as the Bushmaster, is the primary armament for the Bradley Fighting Vehicle. FY88 and 89 are the 3rd and 4th increments of a 5 year multiyear procurement.

Advance Procurement, Vehicle Rapid Fire Weapons System (Bushmaster) (P-1 Line Item No. 43):

(\$ In Thousands)	
FY 1988	FY 1989
<u>\$2,100</u>	<u>\$2,400</u>

These funds are requested for long lead castings, forgings and economic order quantity materials to support the VRFWS.

M16A1 RIFLE MODS (P-1 Line Item No. 47):

(\$ In Thousands)	
<u>FY 1988</u>	<u>FY 1989</u>
\$5,400	\$5,800

These funds are requested to support the Army rebuild program for the M16A1 rifle. M16A1 rifles will be rebuilt to the Army standard M16A2 configuration.

Modifications under \$2,000,000 (WOCV-WTCV) (P-1 Line Item No. 48):

(\$ In Thousands)	
<u>FY 1988</u>	<u>FY 1989</u>
\$4,500	-0-

These funds are requested for minor modification of weapons and other combat vehicles.

Spares and Repair Parts (WOCV-WTCV) (P-1 Line Item No. 49):

(\$ In Thousands)	
<u>FY 1988</u>	<u>FY 1989</u>
\$12,000	\$18,700

These funds are requested for initial and replenishment spares and repair parts related to weapons and other combat vehicles. Initial spares are requested to support the following systems:

System	<u>FY 1988</u>	<u>FY 1989</u>
Howitzer, Lt Towed, 105mm, M119	\$400	\$400
Mortar, 120mm	500	600
	\$900	\$1000

Replenishment spares and repair parts are requested for FY 1988 of \$11,100 and for FY 1989 of \$17,700.

Items Less Than \$2,000,000 (P-1 Line Item No. 50):

(\$ In Thousands)	
<u>FY 1988</u>	<u>FY 1989</u>
\$3,300	\$2,200

These funds are requested for procurement of shop sets and tool sets for maintenance and repair of weapons and other combat vehicles.

Production Base Support (P-1 Line Item No. 51):

(\$ In Thousands)		
<u>PY 1988</u>	<u>PY 1989</u>	
\$16,706	\$16,706	\$9,833

These funds are requested to complete the Renovation of Armament Manufacturing (REARM) at Rock Island Arsenal; to provide annual support of the production test facilities; to layaway industrial equipment excess to production requirements; and to provide depot maintenance plant equipment to support the 120mm Mortar, Squad Automatic Weapon and Howitzer Programs.

<u>PROJECT #</u>	<u>TITLE</u>	<u>PY 1988</u>	<u>PY 1989</u>
------------------	--------------	----------------	----------------

PROVISION OF INDUSTRIAL FACILITIES (PIF)

6848129	Renovation of Armament Manufacturing at Rock Island Arsenal	8,100	0
6845263	Support of Production Test Facilities at Aberdeen Proving Grounds	2,000	3,090
6845268	Support of Production Test Facilities at Yuma Proving Grounds	1,400	500
6846986	Support of Production Test Facilities at Ethan Allen Firing Range	500	300
6848224	Production Test Equipment at Armament Research & Development Center	100	400
6848166	Expansion of Fire Control at Armament Research & Development Center	0	510
TOTAL PROVISION OF INDUSTRIAL FACILITIES (WOCV)		12,100	4,800

LAYAWAY OF INDUSTRIAL FACILITIES (LIF)

6847667	Omnibus Packaging, Handling and Transportation of Excess Equipment	3,306	3,533
---------	--	-------	-------

DEPOT MAINTENANCE PLANT EQUIPMENT (DMEP)

G8x0054	Omnibus Support of Miscellaneous Weapons and Other Combat Vehicles	1,300	1,500
TOTAL PRODUCTION BASE SUPPORT (WEAPONS & OTHER COMBAT VEHICLES)		16,706	9,833

PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES, ARMY

Section 3

Comparison of Program Requirements and Financing

Comparison of FY 1987 program requirements as reflected in FY 1987 budget with FY 1987 program requirements as shown in the FY 1988 budget.

Comparison of FY 1987 financing as reflected in FY 1987 budget with FY 1987 financing as shown in FY 1988 budget.

Comparison of FY 1986 program requirements as reflected in FY 1987 budget with FY 1986 program requirements as shown in FY 1988 budget.

Comparison of FY 1986 financing as reflected in FY 1987 budget with FY 1986 financing as shown in FY 1988 budget.

**COMPARISON OF FY 1987 PROGRAM REQUIREMENTS
AS REFLECTED IN FY 1987 BUDGET WITH
FY 1987 PROGRAM REQUIREMENTS AS SHOWN IN FY 1988 BUDGET**

<u>Appropriation:</u> <u>PROCUREMENT OF WEAPONS & TRACKED COMBAT VEHICLES</u>	<u>SUMMARY OF REQUIREMENTS (In Thousands of Dollars)</u>		
	<u>Total Program Requirements Per FY 87 Budget</u>	<u>Program Requirements Per FY 1988 Budget</u>	<u>Increase (+) or Decrease (-)</u>
Activity 1 - Tracked Combat Vehicles.....	4,202,400	3,508,247	-694,153
Activity 2 - Weapons and Other Combat Vehicles.....	<u>250,200</u> <u>4,452,600</u>	<u>221,653</u> <u>3,729,900</u>	<u>-28,547</u> <u>-722,700</u>

EXPLANATION BY ACTIVITY

Activity 1 - Tracked Combat Vehicles: A net decrease of \$694.2 Million resulted from Congressional reductions and transfers.

Item Net Change (in Thousands)

Congressional Reductions	\$-634,753
Transfers Anticipated in FY87	\$-59,400
TOTAL NET CHANGE	\$-694,153

COMPARISON OF FY 1987 PROGRAM REQUIREMENTS
 AS REFLECTED IN FY 1987 BUDGET WITH
 FY 1987 PROGRAM REQUIREMENTS AS SHOWN IN FY 1988 BUDGET

SUMMARY OF REQUIREMENTS (In Thousands of Dollars)

Appropriation: PROCUREMENT OF WEAPONS & TRACKED COMBAT VEHICLES	Total Programs Requirements Per FY 87 Budget	Program Requirements Per FY 1988 Budget	Increase (+)
			or

Activity 2 - Weapons and Other Combat Vehicles: A net decrease of \$28.5 million resulted from Congressional reductions and an anticipated rescission of 9mm funding.

Net Change (in thousands)

Item	
Congressional Reductions	\$-13,547
Proposed rescission.....	\$-15,000

TOTAL NET CHANGE: \$-28,547

**COMPARISON OF FY 1987 FINANCING AS REFLECTED
IN THE FY 1987 BUDGET WITH FY 1987 FINANCING
AS SHOWN IN FY 1988 BUDGET**

Appropriation: Procurement of Weapons & Tracked Vehicles	Financing (in Thousands of Dollars)		
	Per FY 1987 Budget	Per FY 1988 Budget	Increase (+) or Decrease (-)
Program Requirements, (Total).....	\$4,733,200	\$4,095,900	\$-637,300
Program Requirements (Service Account).....	(4,452,600)	(3,729,900)	(-722,700)
Program Requirements (Reimbursable).....	(280,600)	(366,000)	(+ 85,400)
Less: Anticipated reimbursements.....	-280,600	-366,000	- 85,400 1/
BUDGET	\$4,452,600	\$3,729,900	\$-722,700
Budget Authority			
Congressional Action.....	4,452,600	3,789,300	-663,300
Transferred to other accounts.....	0	- 59,400	- 59,400
Appropriation (adjuster).....	\$4,452,600	\$3,729,900	\$-722,700

1/ The increase of \$85,400,000 is due to a projected increase in EMS costs during FY 1987.

1/ The increase of \$95,400,000 is due to a projected increase in FMS cases during FY 1991. 2/ The amount of \$59,400,000 is comprised of pending transfer of: \$38,000,000 for RDTE, Combat Vehicle Improvement Programs; \$6,400,000 for OSD Classified Programs; and \$15,000,000 for RDTE, Ranges and Test Facilities.

3-41 JANIAK: 100

COMPARISON OF FY 1986 PROGRAM REQUIREMENTS
AS REFLECTED IN FY 1987 BUDGET WITH
FY 1986 PROGRAM REQUIREMENTS AS SHOWN IN FY 1988 BUDGET

SUMMARY OF REQUIREMENTS (In Thousands of Dollars)

Appropriation: PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES	Total Program		Program Requirements Per FY 1988 Budget	Increase or Decrease (+) (-)
	Requirements Per FY 87 Budget	Program Requirements Per FY 1988 Budget		
Activity 1 - Tracked Combat Vehicles.....	4,340,800	3,861,943		-487,857
Activity 2 - Weapons and Tracked Combat Vehicles..	<u>327,000</u>	<u>175,452</u>	<u>4,037,395</u>	<u>-151,548</u> <u>-639,405</u>

Explanation By Activity

Activity 1 - Tracked Combat Vehicles A net decrease of \$487.9 million resulted from Congressional transfers and actual reprogramming to other accounts being less than those reported in the FY86 budget plan as reflected in the FY87 budget. Shown below are specific reductions by program.

Transfers to other accounts	-252,222
Bradley Fighting Vehicle	(-100,282)
Carrier Command Post, M577A2	(- 1,499)
Carrier M113 Personnel	(- 5,767)
M88..1.....	(- 10,387)
M1 Tank	(- 90,807)
M1 Tank (MOD)	(- 3,844)
M60 Tank (MOD)	(- 3,755)
Spares (TCV)	(- 28,631)
Miscellaneous TCV	(- 7,196)
Transfers anticipated in FY86 Budget	- 49,735
Rescissions	- 57,200
Inflation Adjustment	-128,700

TOTAL NET CHANGE
-487,857

4-31 JANUARY 1987

**COMPARISON OF FY 1986 PROGRAM REQUIREMENTS
AS REFLECTED IN FY 1987 BUDGET WITH
FY 1986 PROGRAM REQUIREMENTS AS SHOWN IN FY 1986 BUDGET**

SUMMARY OF REQUIREMENTS (In Thousands of Dollars)		Increase (+) or Decrease (-)	
Appropriation:	PROCUREMENT OF WEAPONS AND TRACKED COMBAT VEHICLES	Total Program	Program Requirements Per FY 1986 Budget
		Requirements Per FY 87 Budget	

Activity 2 - Weapons and Other Combat Vehicles: A net decrease of \$151.5 million resulted from Congressional transfers and reprogramming to other accounts being less than those reflected in the FY86 budget plan reported in the FY87 budget. Shown below are specific reductions by program:

Transferred to other accounts			
DIVAD (AP).....			- 31,533
M240 Machine Gun.....			(- 23,350)
Spares (WOCV).....			(+ 16,000)
Miscellaneous WOCV			(- 23,900)
Inflation Adjustment			(- 283)
			- 2,300
			<u><u>-117,715</u></u>
Transfers anticipated in FY86 budget			
		Total Net Change	<u><u>-151,548</u></u>

COMPARISON OF FY 1986 FINANCING AS REFLECTED
IN THE FY 1987 BUDGET WITH FY 1986 FINANCING
AS SHOWN IN FY 1988 BUDGET

Appropriation:	Procurement of Weapons & Tracked Combat Vehicles	(In Thousands of Dollars)			
		Financing Par FY 1987 Budget	Per FY 1988 Budget	Financing Per FY 1988 Budget	Increase (+) or Decrease (-)
Program Requirements, (Total).....	\$5,044,900	\$4,392,530	\$-652,370		
Program Requirements (Service Account).....	(4,676,800)	(4,037,395)	(-639,405)		
Program Requirements (Reimbursable).....	(368,100)	(355,135)	(- 12,965)		
Less: Anticipated reimbursements.....	-368,100	- 355,135	+ 12,965 ^{1/}		
Add: Unobligated balance available to finance subsequent year budget plans.....	0	\$4,395,650	\$+355,650 ^{2/}		
Budget Authority				\$+283,755	
Congressional Action.....	4,684,800	4,455,245	-229,555		
Transferred to other accounts.....	-8,000	- 62,200	- 54,203 ^{3/}		
Appropriation (adjusted).....	4,676,800	4,393,045	-283,755		

^{1/} The reduction of \$12,965,000 is due to a reduction in the FMS cases received during FY 1986.

^{2/} Of the \$355,650,000 reflected, \$188,200,000 was for projected rescissions and \$167,450,000 was for projected transfers to other appropriations.

^{3/} The increase of \$54,200,000 was due to the transfer of \$62,200,000 to the Military Personnel, Army Appropriation, accomplished prior to 30 September, 1986. The \$8,000,000 transfer to the RDTE, Combat Vehicle Improvement Program was not approved as of 30 September, 1986.

END
DATE
FILMED
10-87